

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A chain-control device for solar road studs comprising ~~of~~ a plurality of flash markings for performing interactive chain control to present a synchronous flash or a fancy flash performance, in which each road stud ~~comprises~~includes:

an input device for receiving a flash control ~~signal~~signal;

a processing device for deciding the flash style according to the flash control signal relayed from the input device; and

an output device for outputting ~~a~~the flash control signal according to the flash style decided by the processing device so that the flash markings are enabled to present ~~a~~the regular synchronous flash or ~~a~~the fancy flash performance in linear or two-dimensional deposition.

2. (Currently Amended) The chain-control device according to Claim 1, wherein the interactive chain control presents ~~a~~the synchronous flash performance.

3. (Currently Amended) The chain-control device according to Claim 1, wherein the interactive chain control presents ~~a~~the fancy flash performance.

4. (Original) The chain-control device according to Claim 3, wherein the fancy flash is created by a predetermined value.

5. (Original) The chain-control device according to Claim 1, wherein the input device is a front-end signal receiver.

6. (Original) The chain-control device according to Claim 1, wherein the processing device further comprises:

a power supply unit for providing electric power to the processing device;

a microprocessor unit for deciding the flash style; and

a memory unit for storing data from or providing data to the microprocessor unit.

7. (Original) The chain-control device according to Claim 6, wherein the power supply unit further comprises:

a solar cell-board unit for converting solar energy into electric energy; and

a battery unit for storing the electric energy of the solar cell-board unit and outputting a first control signal.

8. (Original) The chain-control device according to Claim 7, wherein the microprocessor unit would judge whether it is daytime or nighttime based on the first control signal.

9. (Currently Amended) The chain-control device according to Claim 6, wherein the memory unit stores at least parameters of: working style of the flash ~~marking~~markings, time interval between two neighboring flashes, changing manner of the fancy flash performance including alignment, and color.

10. (Original) The chain-control device according to Claim 9, wherein the memory unit is an electrically erasable programmable read-only memory.

11. (Currently Amended) The chain-control device according to Claim 1, wherein the output device further comprises:

a rear-end signal transmitter for outputting the flash control ~~signal~~signal; and
a flash light-emitting diode for emitting colorful flashes.

12. (Original) The chain-control device according to Claim 11, wherein the flash control signal is carried by radio frequency waves.

13. (Original) The chain-control device according to Claim 11, wherein the flash control signal is carried by infrared ray.

14. (Original) The chain-control device according to Claim 9, wherein the parameters of the flash markings are set by an infrared remote controller.

15. (Original) The chain-control device according to Claim 9, wherein the parameters of the flash markings are set by a radio frequency remote controller.